Applicant: Francke et al.
Application No.: 10/576,664

In The Claims

1. (Currently Amended) A method for providing data for a milk amount detection system of a milking installation, comprising the following steps:

A) ~~determination of at least one~~ determining a first value [[(K1)]] of ~~at least one~~ a parameter [[(K)]] of ~~the milked~~ milk with a first sensor ~~at least during at least one part of a milking process or following a milking process~~;

B) ~~determination of at least one~~ determining a second value of ~~at least one~~ a parameter [[(K)]] of the ~~milked~~ milk with a second sensor~~, which is characteristic for the milk of at least two animals and/or several milking processes and/or at least two milking stations~~; and

C) ~~determination of at least one~~ determining a correction quantity [[(KG)]] from a function of at [[least]] the first value [[(K1)]] and the second value [[(K2)]] ~~which can~~ to serve as correction value [[(KW)]] for subsequently measured value determinations of the first sensor.

2. (Currently Amended) The method according to claim 1, in which ~~at least one~~ the parameter is ~~determined which is taken~~ selected from a group of parameters~~, whereby this group~~ ~~comprises~~ consisting of:

a milk amount, an inhibitor content, a cell number, a fat content, an electrical conductivity value, a fraction of components, a pH value of the milk, a capacitance, an inductance, a number of flakes, ~~and/or~~ dimensions of flakes, a color, an optical characteristic, and an acoustical characteristic of the milk.

Please add the following new claims:

3. (New) The method according to claim 1, and further comprising the step of:

collecting milk in a milk collecting chamber, in which the step of determining a

second value of a parameter with a second sensor is performed.

4. (New) The method according to claim 1, and further comprising the step of:

assigning the first sensor a correction value.

5. (New) The method according to claim 1, and further comprising the step of:

considering individual animal data when determining a correction quantity.

6. (New) The method according to claim 1, wherein the step of determining the first

value of at least one parameter of the milk takes place at a milking machine.

7. (New) The method according to claim 1, in which the parameter comprises the amount

of milked milk.

8. (New) The method according to claim 1, in which the parameter comprises an amount

of milk milked, and the second sensor detects an amount of milked milk optically.

9. (New) The method according to claim 1, and further comprises the step of

automatically adjusting the first sensor with the correction quantity.

10. (New) A milk amount detection system for a milking installation, comprising:

a first sensor which detects a first value of a parameter at the milking station;

a second sensor which detects a second value of a parameter of milk in a milk collection

container; and

a control unit in communication with the first and second sensors, wherein the

control unit reads the first and second values detected by the first and second

sensors, determines a correction quantity from the first value and

the second value of the parameter, and uses this correction quantity as the

correction value to correct future measured values of the first sensor.

11. (New) The milk amount detection system according to claim 10, wherein the control

unit has a memory for storing animal-specific information.

12. (New) The milk amount detection system according to claim 10, wherein the first and

second sensors determine properties taken from a group of parameters consisting of:

a milk amount, an inhibitor content, a cell number, a fat content, an electrical

conductivity value, a fraction of components, a pH value of the milk, a

capacitance, an inductance, a number of flakes, a dimension of flakes, a color, an

optical characteristic, and an acoustical characteristic of the milk.

13. (New) The device according to claim 10, wherein the first sensor is disposed between

a milking machine and a milk collecting container.

14. (New) The method of claim 1, wherein the step of determining a second value of a

parameter comprises the step of:

determining a characteristic for the milk from a plurality of animals.

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15. (New) The method of claim 1, wherein the step of determining a second value of a parameter comprises the step of:

determining a characteristic for the milk from a plurality of milking processes.

16. (New) The method of claim 1, wherein the step of determining a second value of a parameter comprises the step of:

determining a characteristic for the milk from a plurality of milking stations.

17. (New) The method of claim 1, wherein the step of determining a correction value comprises the step of:

considering milk-station-specific influences on the first and second values.

18. (New) The method according to claim 1, wherein the step of determining a correction value comprises the step of:

correcting for leaks in the milking installation.

19. (New) The method according to claim 1, in which the parameter comprises the amount of milk milked, and the second sensor detects the amount of milk milked acoustically.

20. (New) The method according to claim 1, in which the parameter comprises the amount of milk milked, and the second sensor detects the amount of milk milked mechanically.

21. (New) The milk amount detection system according to claim 10, wherein the control unit has a memory for storing milking machine-specific information.

22. (New) The milk amount detection system according to claim 10, wherein the control unit has a memory for storing milking parlor-specific information.